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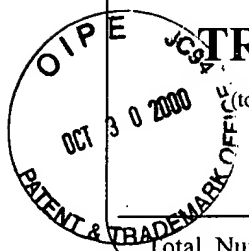
PTO/SB/21 (10-96)

Approved for use through 10/31/99. OMB 0651-0031

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/513,010
Filing Date	02/25/00
First Named Inventor	JIANDONG HUANG, ET AL
Group Art Unit	2785
Examiner Name	Unknown
Attorney Docket Number	H16-26156 US

Total Number of Pages in This Submission

6

ENCLOSURES (check all that apply)

- ☒ Fee Transmittal Form
- ☐ Fee Attached
- ☒ Amendment / Response
- ☐ After Final
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/
- ☐ Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition Checklist and Accompanying Petition
- ☐ To Convert a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer

- ☐ After Allowance Communication to group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☐ Additional Enclosure(s) (please identify below)

Remarks

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name
JOHN G. SHUDY, JR.
REG. NO. 31,214

Signature

John G. Shudy Jr.

Date

10-25-00

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope address to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

Type or printed name
SANDY TRUEHART

Signature

Sandy Truehart

Date

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This form is a **Replica of PTO/SB/17 (12/97)**

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/17 (12/97)

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FEE TRANSMITTAL **For FY 2000**

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/16
See 37 C.F.R. §§1.27 and 1.28.

COMPLETE IF KNOWN

TOTAL AMOUNT OF PAYMENT \$ 36.00

Application No.	09/513,010
Filing Date	02/25/00
First Named Inventor	JIANDONG HUANG, ET AL
Group Art Unit	2785
Examiner Name	UNKNOWN
Attorney Docket No.	H16-26156 US

METHOD OF PAYMENT (check one)

1 ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **01-1125**

Deposit Account Name

☒ Charge any Additional Fee Required Under 37 CFR §§1.16 & 1.17

2. ☐ **Payment Enclosed:**
☐ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee \$	Fee Code	Fee \$		
101	710	201	355	Utility Filing Fee	
106	320	206	160	Design Filing Fee	
107	490	207	245	Plant Filing Fee	
108	710	208	355	Reissue Filing Fee	
114	150	214	75	Provisional Filing Fee	
SUBTOTAL (1)					\$

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
32	2	18	36
Independent Claims	0	0	0
Multiple Dependent Claims			

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee \$	Fee Code	Fee \$		
103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim	
109	80	209	40	Reissue independent claims over original patent	
110	18	210	9	Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					\$ 36.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee \$	Fee Code	Fee \$		
105	130	205	65	Surcharge - Late Filing Fee	
127	50	227	25	Surcharge - Late Provisional Filing Fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner Action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner Action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1390	218	695	Extension for reply within fourth month	
128	1890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for Oral Hearing	
138	1,510	138	1,510	Petition to institute a public use hearing	
140	110	240	55	Petition to revive - unavoidable	
141	1240	241	620	Petition to revive - unintentional	
142	1240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to Provisional applications	
126	240	126	240	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify)					
Other fee (specify)					
* Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					\$

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SUBMITTED BY

Typed or Printed Name **JOHN G. SHUDY, JR.**

Signature

John G. Shudy Jr.

Date

10/25/00

COMPLETE IF APPLICABLE

Registration Number **31,214**

Deposit Account User ID

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3/A
cc
11/6/00

PATENT

IN THE UNITED STATES PATENT AND
TRADEMARK OFFICE

October 25, 2000

Applicant: JIANDONG HUANG, ET AL. Group: 2785
Serial No.: 09/513,010 Examiner: Unknown
Filed: 2/25/00 Docket No. H16-26156 US
Title: MULTIPLE NETWORK FAULT TOLERANCE VIA REDUNDANT
NETWORK CONTROL

PRELIMINARY AMENDMENT

Assistant Commissioner For Patents
Washington, D.C. 20231

Dear Sir:

IN THE CLAIMS

Please cancel claims 11-30 in the present application and add the following new claims 31-52.

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31. The method of claim 1, wherein determining the state of connections between each pair of networked nodes comprises determination of whether each node in a pair of networked nodes can send data to the other node and can receive data from the other node in the pair.

A1
32. A computer network interface, the interface operable to:
determine the state of a primary network connection between the network interface and the network interfaces of other network nodes;
determine the state of a redundant network connection between the network interface and the network interfaces of other network nodes; and
select either the primary network connection or the redundant network connection for communication with each of the other network nodes, such that the network connection selected is selected independently based on the determined network states for each other network node.

33. The computer network interface of claim 32, the interface further comprising a network status table that indicates results of the determination of the state of the primary and redundant